YAMAHA

Network Receiver
R-N301

NEW PRODUCT BULLETIN

New Possibilities

Yamaha takes the receiver beyond the commonplace. With the R-N301 Network Receiver, featuring support for high resolution audio sources and streaming services...and much more. The high sound quality that Yamaha is famous for, plus AirPlay compatibility and other network functions. Discover how the R-N301 brings you new possibilities for home entertainment.

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Easily Affordable, High Quality Network HiFi Receiver with AirPlay compatibility. Delivers high quality sound from diverse audio sources. Support for a dedicated app and connection to a TV via digital input and DC-Out* are just some of the many features that this attractive unit offers. * Except USA, Canada and some other areas.

AirPlay dlna CERTIFIED

Black finish available in some areas.

Multi Network Enjoyment

- Listen to Streaming Services (Spotify, Pandora) Internet radio stations from around the world and access music streaming*.
  *Available via future firmware update. Service availability depends on regions.
- Enjoy the entire spectrum of all your favourite modern music sources
- AirPlay compatible
- NP Controller App lets you operate from your smartphone or tablet.
- FLAC or WAV 192kHz/24-bit audio playback.

Comprehensive Connectivity

- Digital audio input for TV or Blu-ray player
- DC-out for optional accessories such as YBA-11 and YWA-10
  (Except USA, Canada and some other areas.)

High Quality Sound

- Yamaha high sound quality, created by rich experience and tradition, and high technological expertise
  (Traditional Natural Sound concept / high sound quality circuit design / 100W 2 high power output)

Elegant Appearance, Energy-saving Convenience

- Simple yet Sophisticated Design
- Auto Power Standby
- Screw-type speaker terminals
- Speaker selector and speaker terminals for two systems

Main Specifications

Audio Section		
Maximum Power	(4 ohms, 1 kHz, 0.7 % THD)	115 W + 115 W
Rated Output Power	(8 ohms, 40 Hz–20 kHz, 0.2% THD)	100 W + 100 W
Maximum Power (JEITA)	(8 ohms, 1 kHz, 10% THD)	140 W + 140 W
Dynamic Power per Channel	(8/6/4/2 ohms)	125 W/150 W/165 W/180 W
Input Sensitivity/Impedance	CD etc	500 mV / 47 k-ohms
Frequency Response	CD,etc. (20 Hz–20 kHz) CD,etc. (10 Hz–100 kHz)	0 ± 0.5 dB 0 + 0.5 dB / -3.0 dB
Total Harmonic Distortion	CD, etc. to Speaker Out (20 Hz–20 kHz)	0.2% (50 W / 8 ohms)
Signal-to-Noise Ratio	CD, etc. (500 mV, Input Shorted)	100 dB
Network Section		
DLNA		Version1.5 (DMP/DMR function)
File Format		MP3, WMA, MPEG4, AAC, WAV, FLAC
Tuner (FM/AM) Section		
50dB Quieting Sensitivity	(IHF, 1 kHz, 100% Mod., Mono)	3 µV (20.8 dBf)
Signal-to-Noise Ratio	(Mono / Stereo)	72 dB / 70 dB
General Section		
Standby Power Consumption		0.1 W (Network standby on 2.0 W)
Dimensions	(W x H x D)	435 x 141 x 333 mm 17-1/8" x 5-1/2" x 13-1/8"
Weight		6.95 kg 15.3 lbs.

Multi Network Enjoyment

Listen to Internet Radio Stations from Around the World and Access Music Streaming*

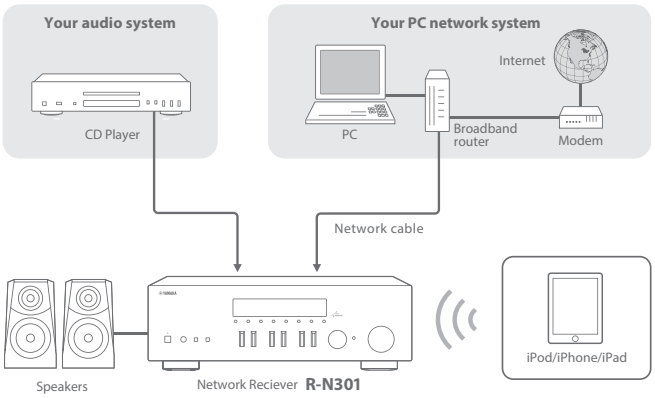
Support for music streaming services such as Spotify and Pandora allows you to enjoy a wide variety of music content. Furthermore, support for the vTuner radio station database enables sampling of Internet radio broadcasts throughout the world by connecting to the Internet over a LAN.

*Available via future firmware update. Service availability depends on regions.

Spotify PANDORA vTuner internet radio

Enjoy the Entire Spectrum of All Your Favourite Modern Music Sources

The R-N301 is a receiver and network audio player in a single unit. You can use it to easily play audio sources downloaded from the Internet and stored on a PC or NAS system. Or, enjoy streaming music services and internet radio (with vTuner). Moreover, Yamaha's original NP Controller App allows you to enjoy your favourite tunes on a smartphone or tablet device via wireless connection.



NP CONTROLLER APP Lets You Operate from Your Smartphone or Tablet

Download Yamaha's handy NP CONTROLLER APP and use it to browse through music sources on your smart device's display, and even view song information and album art. What's more, it features a MusicPlay function that lets you enjoy music streaming, without having to select a different app. Compatible with either smartphone or tablet, it also gives you control over network and other settings.

AirPlay Compatible

The R-N301 Network Receiver has virtually all of your music playback bases covered. This includes full compatibility with AirPlay—which means you get the convenience of wireless music playback from your Mac, iPod, iPhone or iPad, as well as from a PC.

AirPlay

FLAC or WAV 192kHz/24-bit Audio Playback

Compatibility with FLAC/WAV 192kHz/24bit playback is built in, bringing you the sound accuracy with rich expressive power that's only possible from high resolution sources. Yamaha technologies refined over many years ensure high stability and reliability.

Comprehensive Connectivity

Digital Audio Input for TV or Blu-ray Player

The R-N301 is equipped for digital audio input—with both optical and coaxial terminals. The optical is for receiving audio from a TV, and the coaxial for receiving audio from a Blu-ray player. The audio stays in the digital domain, giving you pure, pristine dynamic sound for all your entertainment sources, from sports and other programmes to movies and concerts.

DC-Out* for Optional Accessories such as YBA-11 and YWA-10

The R-N301 provides a DC-Out connection* for the YBA-11 *Bluetooth*® Wireless Audio Receiver and the YWA-10 WiFi Adapter. This makes it easy to enjoy wireless music streaming from an iPhone and other devices and to construct a network environment.

* Except USA, Canada and some other areas.

High Quality Sound

Yamaha High Sound Quality, Created by Rich Experience and Tradition, and High Technological Expertise

Yamaha, with a long history of 125 years as a musical instrument maker, also has a high reputation for HiFi components. The R-N301 was created by taking advantage of this rich experience and high technological expertise. Based on the concept of "Natural Sound", for reproducing all music as it really sounds, and built with scrupulous care from circuit design to basic sound production, even though an entry model it reproduces high sound quality and musically rich sound.

100W × 2 High Output Power* and High Sound Quality Circuit Design

The R-N301, with 100W* × 2 high drive power that's above its class, has a high sound quality design that minimises the length of signal routes and optimises the circuit layout. Positioning the power transformer near the power amp circuit reduces power loss while improving peak power supply capacity to enable high volume output. The signal ground and power supply ground are connected at one point, eliminating mutual interference to achieve a higher S/N ratio. The result is sound filled with clarity and a feeling of openness.

* 8 ohms, 40Hz–20kHz, 0.2% THD

Elegant Appearance, Energy-saving Convenience

Simple and Sophisticated Design

The R-N301 inherits the simple and sophisticated design style that Yamaha HiFi audio is famous for. With an elegant hair line finish, it harmonises beautifully with other HiFi audio equipment. The operating buttons and volume knobs also show our commitment to simplicity and ease of use.

Power Saving

A power management function automatically cuts off the power (switches to standby mode) when the amplifier has not been operated for a long time. It can be set to 2, 4, 8, 12 or 20 hours, or off. In addition, power consumption during standby is only 0.1W, achieving good energy saving performance.

Other Notable Features

- Screw-type speaker terminals
- Simple design remote control
- Speaker A, B or A+B selection
- 40 station FM/AM preset tuning
- Head phone terminal

Optional Accessories for Convinience Wireless Connection

WiFi Adapter YWA-10

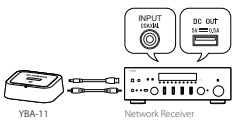
WiFi Adapter for Wireless Streaming of Additional Music Sources

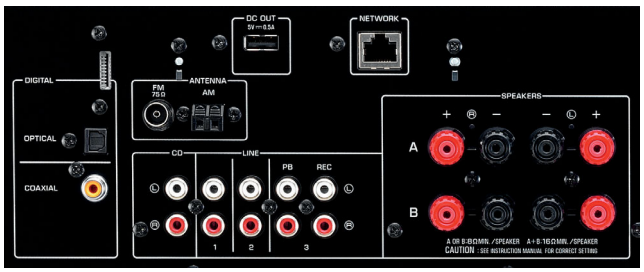
The YWA-10 makes it possible to stream music wirelessly to the Network receiver from a PC, NAS and internet. 2 LAN port design supports connection of other network device such as Blu-ray player. Power is supplied from the Network receiver via USB.

Bluetooth® Wireless Audio Receiver YBA-11

Bluetooth Adapter for Wireless Music Streaming

With the YBA-11, you'll be able to stream music wirelessly from a *Bluetooth* capable mobile phone or a PC to the Network receiver. Thanks to the digital connection and aptX® audio coding algorithm, you'll enjoy wireless music streaming with optimum sound quality. You can also conveniently power the YBA-11 via the DC-out connection on the rear panel of the R-N301.





European Model

Terminals

Input	
Analogue Audio (CD, LINE 1, LINE 2, LINE 3)	4
Optical Digital	1
Coaxial Digital	1
Network	1
Radio Antenna*1 (FM/AM)	1 / 1

*1 The shape of the FM antenna terminal varies according to area.

Output	
Analogue Audio (LINE 3)	1
Speaker*2	2 (4 terminals)
Headphone Jack	1
DC Out*3 (for optional accessories)	1

*2 Banana-plug compatible speaker terminals are available in some areas.
*3 Except USA, Canada and some other areas.

• AirPlay works with iPhone,iPad, and iPod touch with iOS4.3.3 or later, Mac with OS X Mountain Lion, and Mac and PC with iTunes 10.2.2.or Later. AirPlay,iPad,iPhone, and iPod touch are trademarks of Apple Inc.,registered in the US. and other countries. • The aptX® mark and the aptX logo are trade marks of CSR plc or one of its group companies and may be registered in one or more jurisdictions. • The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Yamaha Corporation is under license. Other trademarks and trade names are those of their respective owners. • DLNA and DLNA CERTIFIED are trademarks and/or service marks of DigitalLiving Network Alliance. • Spotify and Spotify logo are registered trademarks of the Spotify Group.